George Mason University
EDCI 716: Advanced Use of Technology in the Classroom

Instructors
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Overview
This three hour graduate level course is designed to assist teachers with integrating the use of technology in their classrooms to support learning. Methods of delivery, development, and assessment of instruction will be explored. Educational research will be used to develop lessons for the use of computers and other technologies in facilitating learning and assessment for all of their students. All students will be required to submit artifacts to SVTC in order to become NETS*T certified.

Objectives
Completion of the following NET*T Standards:

I. HOW TO: Technology Operations and Concepts
A. Complete TSIPs certificate
B. Stay current with instructional technology

II. PLANNING: Planning and Designing Learning Environments and Experiences
A. Design technology integrated lessons for diverse needs of students
B. Apply current research when planning
C. Locate and evaluate technology resources
D. Manage technology in classroom
E. Plan strategies to manage student learning in technology integrated lessons

III. IMPLEMENTATION: Teaching, Learning and the Curriculum
A. Address the SOL and NETS*S
B. Support diverse learning styles through student-centered strategies
C. Encourage Higher Order Thinking Skills (HOTS)
D. Manage student learning activities

IV. ASSESSMENT: Assessment and Evaluation
A. Assess student learning using technology
B. Collect and analyze data to improve teaching
C. Assess students' appropriate use of technology resources

V. PRODUCTIVITY: Productivity and Professional Practice
A. Engage in technology-enhanced professional development
B. Reflect on professional practice
C. Apply technology to increase productivity
D. Communicate and collaborate with peers, parents, and larger community

VI. ETHICS: Social, Ethical, Legal, and Human Issues (Lawyer standard)
A. Model and teach ethics (copyright)
B. Empower learners with diverse and special needs
C. Affirm diversity
D. Promote safe and responsible use of technology
E. Facilitate equitable access

Course Requirements

Participation in weekly assignments (discussions, readings, etc.) is mandatory, as they are essential to the course. The schedule can be found in the "assignments" section of Blackboard.

Students will be expected to access this site (http://www.wcps.k12.va.us/blackboard) regularly to obtain the necessary instructions for weekly assignments. All course information will be stored in and available through this web site; however, some activities may require the use of other online course media.

Students will be expected to submit artifacts to SVTC in order to complete the NETS*T certification. In order to receive the technology item for the class, students must complete the NETS*T requirements.

Attendance is crucial during the face-to-face meetings. Be present and on time for each face-to-face meeting. Prior arrangements must be made if for some reason you will not be attending the face-to-face class.

Meeting Times

This class will meet 8 times in person and 8 times online.

January 16, 2006 4:00P.M. - 7:00P.M.
January 30, 2006 4:00P.M. - 7:00P.M.
February 13, 2006 4:00P.M. - 7:00P.M.
February 28, 2006 4:00P.M. - 7:00P.M.
March 13, 2006 4:00P.M. - 7:00P.M.
March 27, 2006 4:00P.M. - 7:00P.M.
April 17, 2006 4:00P.M. - 7:00P.M.
May 1, 2006 4:00P.M. - 7:00P.M.

Course Materials

1. "Teaching with Technology: Designing Opportunities to Learn" by Priscilla Norton and Karin M. Wiburg (2002).

2. "National Educational Technology Standards for Teachers: Preparing Teachers to Use Technology" by International Society for Technology in Education (2002). http://cnets.iste.org/teachers/t_book.html

3. A variety of online articles and web sites will be used this course. The URLs for these materials can be found in the "course documents" section.

Grading Policies

The following is a list of the point values for the assignments and projects for this course. Grades will be updated in the "tools" section under "check grade."

Assignments – 160 points
Attendance – 40 points

A = 180 - 200
B = 160 - 179
C = 140 - 159
F = Below 140

Evaluation: Since this is a graduate level course, high quality work is expected on all assignments and in class. Grades will be based on the completion of course requirement and on the scope, quality, and

creativity of the assignments. All assignments will be graded. All assignments are due at the beginning of classes. Late assignments will not be accepted without making arrangements with the instructor.